C-A TPL 03-10 TEMPORARY PROCEDURE TO PERMIT CONCURRENT BLIP AND NSRL
OPERATION

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Hand Processed Changes

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Approved by:_____ _____
                  Assoc. Chairman for Safety   Date

P. Ingrassia

C-A TPL 03-10   TEMPORARY PROCEDURE TO PERMIT CONCURRENT BLIP AND BAF OPERATION

1.   Purpose

    1.1   The purpose of this procedure is to outline, for the MCR Operators and Operations Coordinators (OCs), the potential problems that may arise during concurrent operation of BLIP and NSRL. This procedure assumes that the high intensity proton source is used to feed BLIP and a low intensity source is used to feed NSRL.

        1.1.1   This procedure is not needed if the output of the high intensity source is stopped.

2.   Responsibilities

    2.1   The Operations Coordinators and MCR Operators are responsible for the execution of this procedure.

    2.2   The NSRL Liaison Physicist is responsible for deciding whether to restore BLIP or NSRL operation after an NMO131 or NMO132 interlock of unknown origion.

3.   Prerequisites

    3.1   The liaison physicist has removed radiation safety LOTO from NSRL critical devices.

    3.2   The target group for this procedure is the MCR Operators and OCs.

    3.3   The training requirement for this procedure is read and sign.

    3.4   The minimum number of staff members that need to be trained in order for this procedure to be effective is two, one OC and one operator.

4.   Precautions

    4.1   C-A OPM 6.1.3 Response to Chipmunk Alarms has not been updated to reflect the response to NMOs 131 and 132.

5.   Procedure

+--+
| Note: |
| BLIP is approved to run concurrently with NSRL |
+--+

    5.1   NMO131 or NMO132 Interlock

        5.1.1   IF NMO131 (NSRL target room labyrinth) or NMO 132 (BGE2) interlocks during a period where BLIP is operating and beam is being extracted into the NSRL facility from the Booster, THEN do the following:

            5.1.1.1   Determine if high intensity protons are the source of the problem by turning BLIP off and restoring Booster extraction.

                5.1.1.1.1   IF the problem persists then look elsewhere for the problem and restore BLIP operation.

                5.1.1.1.2   IF the chipmunk interlocks only when BLIP is enabled THEN:

5.1.1.1.2.1   Operate only ONE facility (BLIP OR NSRL) – The Scheduling Physicist decides which one will operate.

5.1.1.1.2.2   Inform the Liaison Physicist (Rusek or his designee) of the problem.

5.1.1.1.2.3   Contact the Linac Operations Coordinator (Briscoe) to come in to troubleshoot problems with the Linac timing setup.

5.1.1.1.2.4   IF the cause of the interlock is explained THEN the Liaison Physicist will give permission to restore operation to both facilities.

5.1.1.1.2.5   IF the cause of the interlock is not explained THEN the Liaison Physicist will decide whether to permit operation of one or both facilities.

5.1.1.1.2.6   IF three unexplained interlocks occur then the Liaison Physicist shall prevent operation of one of the two facilities until the cause of the interlocks is explained

5.1.1.1.2.7   Archive the Linac timing, LtB (TtB) set points for future review in the event of an unexplained interlock.

5.1.1.1.2.8   In the event of an unexplained interlock, the OC will record the events in the OC log, including the archive names to facilitate retrieval

5.2   Preventing potential problems

5.2.1   Changes to the supercycle that include changes to Linac, BLIP, or Booster timing must be reviewed by a cognizant physicist for the affected facility.

6. Documentation

6.1   None

7. References:

7.1   None

8. Attachments:

8.1   None